

Converting Colors

$Y_{xy}(23.8917, 0.3674, 0.3804)$

Have a look what the booklet for
Yxy(23.8917, 0.3674, 0.3804)
contains.

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Color

Yxy(23.8514, 0.3666, 0.3795)

Conversions

Conversions Part 1

Format	Color
Hex	958466
RGB	149, 132, 102
RGB Percent	58%, 52%, 40%
CMY	0.4158, 0.4823, 0.6000
CMYK	0.00, 0.11, 0.32, 0.42
HSL	38°, 19%, 49%
HSV	38°, 32%, 58%
XYZ	23.0406, 23.8514, 15.9575
YIQ	133.6630, 19.7620, -5.7260

Conversions

Conversions Part 2

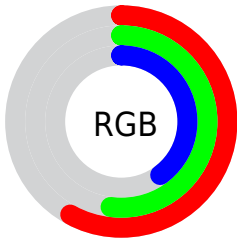
Format	Color
R _Y B	129, 149, 102
Decimal	9798758
CIE Lab	55.94, 1.68, 18.59
CIE LCh	56, 18.662, 84.833
Yxy	23.8514, 0.3666, 0.3795
Android (android.graphics.Color)	4287988838 (0xFF958466)
YUV	133.6630, -15.6099, 13.4505
Hunter-Lab	48.8379, -1.2540, 14.8139

Details

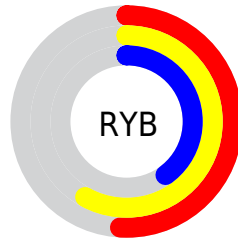
The Yxy color **23.8514, 0.3666, 0.3795** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.1773, 0.2623, 0.2726**, and the grayscale version is **23.7624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8352, 0.3554, 0.3690**, and **9.0037, 0.3854, 0.3982** is the 20% darker color. If you saturate the color by 10%, you get **22.1612, 0.3868, 0.3958**, and if you desaturate by 10%, it is **25.6721, 0.3478, 0.3630**.

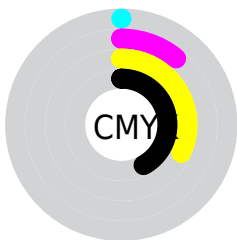
Distribution



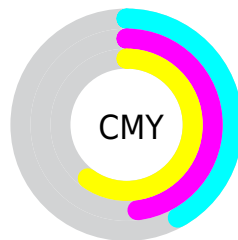
- Red (58%)
- Green (52%)
- Blue (40%)



- Red (51%)
- Yellow (58%)
- Blue (40%)



- Cyan (0%)
- Magenta (11%)
- Yellow (32%)
- Black (42%)




- Cyan (42%)
- Magenta (48%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8514, 0.3666, 0.3795 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 23.8514, 0.3666, 0.3795 by changing the saturation by 10% instead.


 23.8514, 0.3666,
0.3795


 23.8514, 0.3666,
0.3795


272.0683, 0.3368,
0.3518


 15.2234, 0.3751,
0.3873


 49.7876, 0.3550,
0.3688


 8.9763, 0.3867,
0.3978


 67.8646, 0.3509,
0.3650

 4.7258, 0.4032,
0.4126

 89.8601, 0.3475,
0.3618

 2.0873, 0.4316,
0.4379

 116.1584, 0.3446,
0.3591

 0.6575, 0.5032,
0.4968

147.1440, 0.3422,
0.3569

 0.0000, 0.0000,
0.0000

183.2013, 0.3401,

0.3549

224.7146, 0.3383,
0.3532

■ 23.8514, 0.3666,
0.3795

■ 23.8514, 0.3666,
0.3795

■ 22.1612, 0.3868,
0.3958

■ 25.6721, 0.3478,
0.3630

■ 20.5944, 0.4079,
0.4111

■ 27.6239, 0.3306,
0.3468

■ 19.1476, 0.4294,
0.4246

■ 29.7113, 0.3150,
0.3313

■ 17.8164, 0.4504,
0.4350

■ 31.9377, 0.3010,
0.3167

■ 16.5956, 0.4697,
0.4414

■ 34.3063, 0.2885,
0.3031

■ 15.4793, 0.4865,
0.4431

■ 36.8202, 0.2774,
0.2905

■ 14.6051, 0.4992,
0.4419

■ 39.4824, 0.2676,
0.2789

■ 42.2958, 0.2588,
0.2683

■ 45.2631, 0.2511,
0.2586

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.8514, 0.3777, 0.3588



23.8514, 0.3666, 0.3795



23.8514, 0.3410, 0.3874

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23.8514, 0.3666, 0.3795



23.8514, 0.2581, 0.3214



23.8514, 0.3141, 0.2861

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



23.8514, 0.3666, 0.3795



18.1773, 0.2623, 0.2726

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



23.8514, 0.2828, 0.2760



23.8514, 0.3666, 0.3795



23.8514, 0.2517, 0.2944

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



23.8514, 0.3666, 0.3795



23.8514, 0.2785, 0.3528



23.8514, 0.2604, 0.2785



23.8514, 0.3466, 0.3062

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



23.8514, 0.3666, 0.3795



23.8514, 0.3197, 0.3830



23.8514, 0.2604, 0.2785



23.8514, 0.3031, 0.2815

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



23.8525, 0.3666, 0.3795



50.3456, 0.3267, 0.3431



17.2260, 0.3564, 0.2997



11.0494, 0.3289, 0.3452



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.8525, 0.3666, 0.3795



40.5165, 0.3811, 0.3914



28.2612, 0.3518, 0.4071



6.3959, 0.3268, 0.3431



12.3536, 0.4985, 0.4424



0.2073, 0.4559, 0.4762

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



18.1773, 0.2623, 0.2726



28.6794, 0.2499, 0.2571



14.8748, 0.2656, 0.2411



5.9554, 0.2989, 0.3145



4.0838, 0.1665, 0.1194



0.1023, 0.1895, 0.2023

Previews

White Background



This preview shows how the Yxy color 23.8514, 0.3666, 0.3795 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 23.8514, 0.3666, 0.3795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

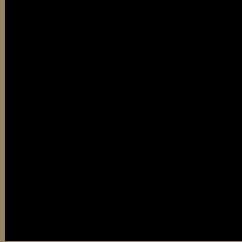
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.8514, 0.3666, 0.3795

Background



This preview shows how black text looks on a background with the Yxy color 23.8514, 0.3666, 0.3795.



This preview shows how white text looks on a background with the Yxy color 23.8514, 0.3666, 0.3795.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

23.8514, 0.3666, 0.3795

Protanopia

23.8691, 0.3572, 0.3823

Deuteranopia

23.9489, 0.3782, 0.3712



Tritanopia

23.7572, 0.3325, 0.3129

Trichromacy



Original Color

23.8514, 0.3666, 0.3795

Protanomaly

23.7741, 0.3601, 0.3803

Deuteranomaly

23.9131, 0.3739, 0.3734

Tritanomaly

23.8312, 0.3459, 0.3373

Monochromacy



Original Color

23.8514, 0.3666, 0.3795

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.6692, 0.3315, 0.3480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8514, 0.3666, 0.3795 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(149, 132, 102)` looks like.

```
.text, #text, p{  
    color:rgb(149, 132, 102)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(149, 132, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 132, 102) }
```

Border

The CSS property to change the border of an element to Yxy 23.8514, 0.3666, 0.3795 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(149, 132, 102) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(149, 132, 102) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(149, 132, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 132, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 132, 102);  
box-shadow:4px 4px 4px 4px rgb(149, 132,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8514, 0.3666, 0.3795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 132, 102) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(149,  
132, 102) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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